AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently Amended) A biodegradable polyester mixture comprising

from 5% to 80% by weight, based on the total weight of components i to ii, of at least one polyester based on aliphatic and aromatic dicarboxylic acids and an aliphatic dihydroxy compound (component i) and

from 20% to 95% by weight, based on the total weight of components i to ii, of at least one renewable raw material (component ii) and

from 0.1% to 15% by weight, based on the total weight of components i to ii, of a ~~glycidyl acrylate and/or glycidyl methacrylate as component iii~~ compound as component iii that comprises two or more epoxy groups in the molecule.

2. (Original) The biodegradable polyester mixture according to claim 1 wherein said component i is polymerized from:

A) an acid component comprising

a1) from 30 to 99 mol% of at least one aliphatic or at least one cycloaliphatic dicarboxylic acid or its ester-forming derivatives or mixtures thereof

a2) from 1 to 70 mol% of at least one aromatic dicarboxylic acid or its ester-forming derivative or mixtures thereof and

a3) from 0 to 5 mol% of a sulfonated compound,

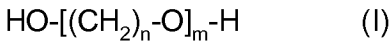
the mole percentages of said components a1) to a3) adding up to 100% and

B) a diol component comprising at least one C_2- to C_{12}-alkanediol or a C_5- to C_{10}-cycloalkanediol or mixtures thereof

and if desired additionally one or more components selected from

C) a component selected from

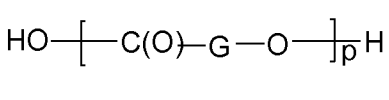
c1) at least one dihydroxy compound which comprises ether functions and has the formula I



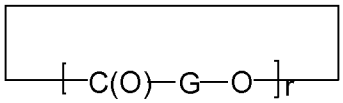
$$HO\text{-}[(CH_2)_n\text{-}O]_m\text{-}H \qquad (I)$$

where n is 2, 3 or 4 and m is an integer from 2 to 250,

c2) at least one hydroxy carboxylic acid of the formula IIa or IIb



(IIa)



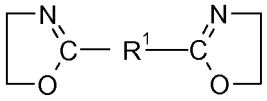
(IIb)

where p is an integer from 1 to 1500, r is an integer from 1 to 4 and G is a radical selected from the group consisting of phenylene, $-(CH_2)_q-$, where q is an integer from 1 to 5, -C(R)H- and $-C(R)HCH_2$, where R is methyl or ethyl,

c3) at least one amino-C_2- to C_{12}-alkanol or at least one amino-C_5- to C_{10}-cycloalkanol or mixtures thereof

c4) at least one diamino-C_1- to C_8-alkane

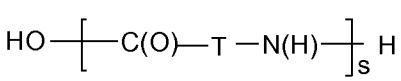
c5) at least one 2,2'-bisoxazoline of the general formula III



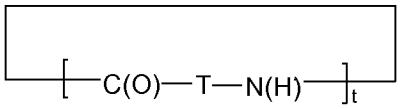
(III)

where R^1 is a single bond, a $(CH_2)_z$-alkylene group, where z = 2, 3 or 4, or a phenylene group

c6) at least one amino carboxylic acid selected from the group consisting of the natural amino acids, polyamides obtainable by polycondensation of a dicarboxylic acid having from 4 to 6 carbon atoms and a diamine having from 4 to 10 carbon atoms, compounds of the formulae IV a and IVb



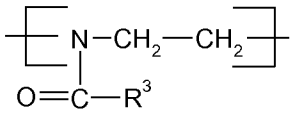
(IVa)



(IVb)

where s is an integer from 1 to 1500, t is an integer from 1 to 4 and T is a radical selected from the group consisting of phenylene, $-(CH_2)_u-$, where u is an integer from 1 to 12, $-C(R^2)H-$ and $-C(R^2)HCH_2$, where R^2 is methyl or ethyl,

and polyoxazolines containing the repeat unit V



(V)

where R^3 is hydrogen, C_1-C_6-alkyl, C_5-C_8-cycloalkyl, unsubstituted or C_1-C_4-alkyl-monosubstituted, -disubstituted or -trisubstituted phenyl or is tetrahydrofuryl,

or mixtures of c1) to c6)

and

D) a component selected from

d1) at least one compound having at least three groups capable of ester formation,

d2) at least one isocyanate

d3) at least one divinyl ether

or mixtures of d1) to d3).

3. (Previously Presented) The biodegradable polyester mixture according to claim 1 wherein said component ii is one or more selected from the group consisting of starch, cellulose, lignin, wood and cereals.

4. (Previously Presented) The biodegradable polyester mixture according to claim 1 which comprises

from 10% to 70% by weight of said component i and
from 30% to 90% by weight of said component ii,
each percentage being based on the total weight of said components i to ii.

5. (Previously Presented) The biodegradable polyester mixture according to claim 1 which comprises from 0.5% to 10% by weight of said component iii, based on the total weight of said components i to ii.

6. (Previously Presented) A process for producing biodegradable polyester mixtures according to claim 1which comprises said components i, ii and iii being in one step mixed and, in the presence or absence of a free-radical initiator, reacted.

7. (Previously Presented) A process for producing biodegradable polyester mixtures according to claim 1, which comprises a first step of said component iii being mixed with and, in the presence or absence of a free-radical initiator, reacted with one of said components i or ii and a second step of the hitherto unused component ii or i being mixed in and reacted.

8. (Canceled).

9. (Previously Presented) Blends, moldings, films, sheets or fibers comprising biodegradable polyester mixtures according to claim 1.

10. (Previously Presented) The biodegradable polyester mixture according to claim 2 wherein said component ii is one or more selected from the group consisting of starch, cellulose, lignin, wood and cereals.

11. (Previously Presented) The biodegradable polyester mixture according to claim 2 which comprises

from 10% to 70% by weight of said component i and
from 30% to 90% by weight of said component ii,
each percentage being based on the total weight of said components i to ii.

12. (Previously Presented) The biodegradable polyester mixture according to claim 3 which comprises

from 10% to 70% by weight of said component i and
from 30% to 90% by weight of said component ii,
each percentage being based on the total weight of said components i to ii.

13. (Previously Presented) The biodegradable polyester mixture according to claim 2 which comprises from 0.5% to 10% by weight of said component iii, based on the total weight of said components i to ii.

14. (Previously Presented) The biodegradable polyester mixture according to claim 3 which comprises from 0.5% to 10% by weight of said component iii, based on the total weight of said components i to ii.

15. (Previously Presented) The biodegradable polyester mixture according to claim 4 which comprises from 0.5% to 10% by weight of said component iii, based on the total weight of said components i to ii.

16. (Previously Presented) A process for producing biodegradable polyester mixtures according to claim 2 which comprises said components i, ii and iii being in one step mixed and, in the presence or absence of a free-radical initiator, reacted.

17. (Previously Presented) A process for producing biodegradable polyester mixtures according to claim 3 which comprises said components i, ii and iii being in one step mixed and, in the presence or absence of a free-radical initiator, reacted.

18. (Previously Presented) A process for producing biodegradable polyester mixtures according to claim 4 which comprises said components i, ii and iii being in one step mixed and, in the presence or absence of a free-radical initiator, reacted.

19. (Previously Presented) A process for producing biodegradable polyester mixtures according claim 5 which comprises said components i, ii and iii being in one step mixed and, in the presence or absence of a free-radical initiator, reacted.

20. (Previously Presented) A process for producing biodegradable polyester mixtures according to claim 2, which comprises a first step of said component iii being mixed with and, in the presence or absence of a free-radical initiator, reacted with one of said components i or ii and a second step of the hitherto unused component ii or i being mixed in and reacted.